

## ABSTRACT OF THE DISCLOSURE

A device authentication system that enables secure and reliable authentication of an entity that is a device without a secure area. In the system, memory device 10 authenticates cellular phone 20. In the system, memory device 10 holds key 12 in a secure area, cellular phone holds serial number 21 and generates a key from the serial number and identification information provided from a user, and memory device 10 makes a decision on conformity between key 12 held therein and the key generated in cellular phone 20 to authenticate cellular phone 20. In the authenticate processing, it is possible to limit the use of data stored in memory device 10 only to specific cellular phones.